## WHAT IS CLAIMED IS:

forming a first insulating film on a semiconductor substrate; forming a plurality of nano-crystalline silicons on the first insulating film;

forming a second insulating film on the first insulating film including the name-crystalline silicons;

partially etching the second insulating film and the nano-crystalline silicons; and

oxidizing surfaces of the nano-crystalline silicons.

- 2. The method of claim 1, wherein the nano-crystalline silicons are formed at a size of about 30nm.
- 3. The method of claim 1, wherein the second insulating film and the nano-crystalline silicons are etched by etching the nano-crystalline silicons by about 10nm.

- 4. The method of claim 1, wherein the nano-crystalline silicons are oxidized by about 5nm.
- 5. A method for fabricating a nonvolatile memory device comprising the steps of:
- forming a tunnelling insulating film on a semiconductor substrate;
- forming a plurality of nano-crystalline silicons on the tunnelling insulating film;
- forming a first insulating film on the tunnelling insulating film including the nano-crystalline silicons;
- partially etching the first insulating film and the nanocrystalline silicons;
  - oxidizing surfaces of the nano-crystalline silicons;
- forming a second insulating film on the first insulating film including the nano-crystalline silicons;
- 14 forming a control gate on the second insulating film;
- removing the second insulating film, the nano-crystalline silicons, and the tunnelling insulating film using the control gate
- 17 as a mask; and

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forming impurity regions in a surface of the semiconductor substrate at both sides of the control gate.

6. The method of claim 5, wherein the nano-crystalline silicons are formed at a size of about 30nm.

7. The method of claim 5, wherein the second insulating film and the nano-crystalline silicons are etched by etching the nano-crystalline silicons by about 10nm.

8. The method of claim 5, wherein the nano-crystalline silicons are oxidized by about 5nm.